

SUMMARY OF THE CLAIMS

Claim 1 (previously presented)

1. (Amended) A system for providing one or more personal communication system carriers, operating using a plurality of air interface protocols, with a plurality of wireless applications from one or more wireless application operators, the system comprising:

a network, having a plurality of system interconnections; and

a mobile virtual network operator platform;

wherein the mobile virtual network platform comprises:

one or more short message service centers;

a short message service center interface that enables the network operator platform to communicate with the one or more personal communication system carriers through the one or more short message service centers using one or more air interface access techniques; and

an application aggregation device that enables the network operator platform to communicate with said one or more wireless application operators, further enabling the network operator platform to provide said plurality of wireless applications to a plurality of remote user units through said one or more personal communications system carriers.

Claim 2 (original)

2. The system as recited in claim 1, wherein the network comprises one or more personal communication networks.

Claim 3 (original)

3. The system as recited in claim 2, wherein the network further comprises a plurality of devices selected from the group consisting of remote wireless units, telematic units, and telemetry units.

Claim 4 (previously presented)

4. (Amended) The system as recited in claim 1, wherein the plurality of air interface standards comprises a standard selected from the group consisting of global standards for mobile communications (GSM), time division multiplexing access (TDMA), frequency division multiplexing access (FDMA), code division multiplexing access (CDMA), and integrated digital enhanced network (iDEN).

Claim 5 (original)

5. The system as recited in claim 1, wherein the network can communicate with a network selected from the group consisting of a Personal Communication System (PCS) network, a Cellular network, a Special Mobile Radio (SMR) network, and an iDEN wireless network.

Claim 6 (original)

6. The system as recited in claim 5, wherein the mobile virtual operator network platform can communicate with one or more users of at least one network selected from the group consisting of a Personal Communication System (PCS) network, a Cellular network, a Special Mobile Radio (SMR) network, and an iDEN wireless network.

Claim 7 (original)

7. The system as recited in claim 1, wherein the system further comprises a short message service center that communicates with at least one of the wireless application operators and at least one personal communication system (PCS) carrier via a short message service center interface.

Claim 8 (original)

8. The system as recited in claim 7, wherein the short message service center can communicate with multiple wireless application operator operating on at least one of similar and dissimilar wireless networks.

Claim 9 (original)

9. The system as recited in claim 7, wherein the short message service center communicates with the at least one PCS carrier via the mobile virtual network operator platform.

Claim 10 (original)

10. The system as recited in claim 1, wherein the mobile virtual network operator platform communicates with one or more databases.

Claim 11 (original)

11. The system as recited in claim 1, wherein the system further comprises a public switched telephone network that is in communication with the network.

Claim 12 (previously presented)

12. (Amended) A mobile virtual network operator platform for providing a plurality of wireless applications from one or more wireless application operators to one or more personal communication system carriers, the network operator platform comprising:
one or more short message service centers;
a short message service center interface, comprising a microprocessor and memory, that enables the network operator platform to communicate with the one or more personal communication system carriers through the one or more short message service centers using one or more air interface access techniques; and

an application aggregation device, comprising a microprocessor and memory, that enables the network operator platform to communicate with said one or more wireless application operators, further enabling the network operator platform to provide said plurality of wireless applications to a plurality of remote user units through said one or more personal communications system carriers.

Claim 13 (original)

13. The network operator platform as recited in claim 12, wherein the network operator platform further comprises an Internet wireless access protocol gateway that converts and reformats a first text language to a second text language to enable communication of data information between the plurality of remote user units and one or more Internet Service Providers.

Claim 14 (original)

14. The network operator platform as recited in claim 12, wherein the network operator platform further comprises an Internet wireless application protocol gateway that converts and reformats a first binary language to a second binary language to enable communication of data information between the plurality of remote user units and one or more Internet Service Providers.

Claim 15 (original)

15. The network operator platform as recited in claim 12, wherein the plurality of remote user units is selected from the group consisting of remote wireless units, remote telematic units, and remote telemetry units.

Claim 16 (original)

16. The network operator platform as recited in claim 12, wherein the network operator platform further comprises:

one or more databases, wherein said one or more databases comprises at least one of a message database and a subscriber database;

a mail client function that enables remote user units to communicate with other remote user units by way of electronic mail services;

a message processor that reads all messages coming into said network operator platform; and

a cross-operator router that enables transmission of at least one of voice and data messages even if transmission requires formatting said at least one of voice and data messages into a second air interface protocol.

Claim 17 (original)

17. The network operator platform as recited in claim 16, wherein the message processor includes a message routing function, whereby a plurality of messages is routed to the destined PCS carrier.

Claim 18 (original)

18. The network operator platform as recited in claim 16, wherein the cross-operator router includes a cross-technology handling function, whereby a plurality of messages can be delivered to the destined PCS carrier.

Claim 19 (original)

19. The network operator platform as recited in claim 12, wherein the network operator platform further comprises at least one billing engine.

Claim 20 (previously presented)

20. (Amended) A method of providing a plurality of wireless applications from one or more wireless application operators to one or more personal communication system carriers, the method comprising the steps of:

providing a virtual mobile network operator platform;

providing a short message service center interface, comprising a microprocessor and memory, that enables said network operator platform to communicate with the one or more personal communication system carriers through one or more short message service centers using one or more air interface access techniques; and

providing an application aggregation device, comprising a microprocessor and memory, that enables said network operator platform to communicate with said one or more wireless application operators, further enabling the network operator platform to provide a plurality of wireless applications to said one or more personal communication system carriers.

Claim 21 (original)

21. The method as recited in claim 20, wherein the method further comprises the step of providing an Internet wireless access protocol gateway that converts and reformats a first text language to a second text language to enable communication of data information between said one or more personal communication system carriers and one or more Internet Service Providers.

Claim 22 (original)

22. The method as recited in claim 20, wherein the method further comprises the step of providing an Internet wireless access protocol gateway that converts and reformats a first binary language to a second binary language to enable communication of data information between said one or more personal communication system carriers and one or more Internet Service Providers.

Claim 23 (original)

23. The method as recited in claim 20, wherein the method further comprises the steps of:

providing one or more databases, wherein said one or more databases comprises at least one of a message database and a subscriber database;
providing a mail client function;
providing a message routing function; and
providing a cross-technology handling function.

Claim 24 (original)

24. The method as recited in claim 20, wherein the method further comprises the step of providing one or more billing engines.

Claim 25 (previously presented)

25. (Amended) A method of providing a plurality of wireless applications from one or more wireless application operators to one or more remote users of one or more personal communication systems, the method comprising the steps of:
providing a virtual mobile network operator platform;
providing a short message service center interface, comprising a microprocessor and memory, that enables said network operator platform to communicate with said one or more remote users of said one or more personal communication systems through one or more short message service centers using one or more air interface access techniques; and
providing an application aggregation device, comprising a microprocessor and memory, that enables said network operator platform to communicate with said one or more wireless application operators, further enabling the network operator platform to provide a plurality of wireless applications to one or more remote users of said one or more personal communication systems.

Claim 26 (original)

26. The method as recited in claim 25, wherein the method further comprises the step of providing an Internet wireless application protocol gateway that converts and

reformats a first text language to a second text language to enable communication of data information between said one or more remote users of said one or more personal communication system carriers and one or more Internet Service Providers.

Claim 27 (original)

27. The method as recited in claim 25, wherein the method further comprises the step of providing an Internet wireless access protocol gateway that converts and reformats a first binary language to a second binary language to enable communication of data information between said one or more remote users of said one or more personal communication system carriers and one or more Internet Service Providers.

Claim 28 (original)

28. The method as recited in claim 25, wherein the method further comprises the steps of:

- providing one or more databases, wherein said one or more databases comprises at least one of a message database and a subscriber database;
- providing a mail client function;
- providing a message routing function; and
- providing a cross-technology handling function.

Claim 29 (original)

29. The method as recited in claim 25, wherein the method further comprises the step of providing one or more billing engines.
